

2004 Annual Report Review

JK

Permittee: Andalex Resources, Inc.
Mine Name: Centennial Mine
Permit Number: C/007/0019
Date Report Received: April 4, 2005

Assigned Reviewers:

	Date Completed
Karl R. Houskeeper, Engineer/Inspector <i>KRH</i>	September 9, 2005
Steve Christensen, Hydrologist <i>SKC</i>	October 28, 2005
Joe Helfrich, Biologist <i>JH</i>	December, 12 2005

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

Assignments:

Inspectors: Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.
Hydrologists: Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste
Biologists: Review Vegetation/Revegetation Success Monitoring, Raptor Survey
Engineers: Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Cover Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A cover sheet was submitted with the 2004 Annual Report.
AVS; Legal/ Financial Update	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The cover sheet indicates that this information is on file with the Division and was not included with the 2004 Annual Report.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Two Mine Maps were received in the 2004 Annual Report. One map shows the 2004 production for the Aberdeen mine and the other map shows the 2004 production for the Pinnacle Mine. Both maps are P.E. certified, signed and dated 3/29/05. In addition the maps have a Licensed Professional Geologist stamp, signature and date of 3/31/05.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All required monitoring was performed and results were submitted to the Division electronically.
Precipitation & Climatological Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Climatological data is not required.
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Non-Coal waste was left underground during 2004.
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The 2004 subsidence survey was done by Bruce Ware a registered land survey in the State of Utah. The report states that to vertical or horizontal movement has occurred since the establishment of the points, and that no visual subsidence was seen during the survey. The report is RLS certified, signed and dated 10/18/04.

2004 Annual Report Review

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annual Pond Inspection reports for Sediment Basin "B", Sediment Pond "C", and Sediment Pond "E" are included in the 2004 Annual Report. The Reports are P.E. certified, signed, and dated 12/22/05. No instabilities or hazards were noted.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA. No information was submitted. There are no refuse piles or excess spoil piles at the mine.
Vegetation Data	X	<input type="checkbox"/>	Appendix B includes vegetation monitoring for the topsoil test plots. Quantitative sampling on the test plots was conducted on September 14, 2004. Cover estimates, species composition and relative frequencies were assessed from meter square quadrats. Sample results indicated desirable species on both test plots.
Revegetation Success Monitoring	X	<input type="checkbox"/>	Note findings in previous section.
Raptor Survey	<input type="checkbox"/>	X	Not required
Other Information	<input type="checkbox"/>	<input type="checkbox"/>	

O:\ANNUAL_RPT\2004 Annual Reports Reviews\Centennial AR_04.doc